

Abstract

A equipment for spread spectrum communication enables to establish synchronization at a high-speed even if the carrier frequency and the phase are not known precisely on the receiving end.

The equipment for spread spectrum communication comprises a toggle detecting unit (101) and a demodulating unit (105), wherein the toggle detecting unit (101) detects a candidate of a toggle point existing in a carrier of a received signal and the demodulating unit (105) demodulates the received signal by multiplying the received signal by a spread code which is shifted according to a shift amount calculated based on a result of the detected candidate.